COURSE DESCRIPTION CARD

<table>
<tr><td colspan="10">Faculty of Electrical Engineering</td></tr>
<tr><td>Field of study</td><td colspan="7">Electrical and Electronics Engineering</td><td>Degree level and programme type</td><td>Master's degree</td></tr>
<tr><td>Specialization/ diploma path</td><td colspan="7">-</td><td>Study profile</td><td>-</td></tr>
<tr><td rowspan="2">Course name</td><td colspan="7" rowspan="2">Master Thesis</td><td>Course code</td><td>IS-FEE-20010S</td></tr>
<tr><td>Course type</td><td>elective</td></tr>
<tr><td rowspan="2">Forms and number of hours of tuition</td><td>L</td><td>C</td><td>LC</td><td>P</td><td>SW</td><td>FW</td><td>S</td><td>Semester</td><td>summer</td></tr>
<tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>No. of ECTS credits</td><td>20</td></tr>
<tr><td>Entry requirements</td><td colspan="9"></td></tr>
<tr><td>Course objectives</td><td colspan="9">Description of the assumed knowledge, skills and social competence the student should have acquired after the completion of the module:</td></tr>
<tr><td>Course content</td><td colspan="9">Depending of the topic of master thesis</td></tr>
<tr><td>Teaching methods</td><td colspan="9">Individually plans the solution of research problem,
specifying its manner and duration</td></tr>
<tr><td>Assessment method</td><td colspan="9">Evaluation of the work by the supervisor and reviewer and thesis defense</td></tr>
<tr><td>Symbol of learning outcome</td><td colspan="8">Learning outcomes
Student:</td><td>Reference to the learning outcomes for the field of study</td></tr>
<tr><td>LO1</td><td colspan="8">Individually plans the solution of research problem,
specifying its manner and duration</td><td></td></tr>
<tr><td>LO2</td><td colspan="8">Can obtain knowledge from literature sources (including
publications gathered in scientific databases), and
evaluate its usefulness to solve chosen technical problem</td><td></td></tr>
<tr><td>LO3</td><td colspan="8">Develops methodology of research, carries out research,
prepares elaboration containing research documentation and verification of the results</td><td></td></tr>
<tr><td>LO4</td><td colspan="8">Has the ability to raise qualifications required to
introduce new elements to the solution presented in the thesis</td><td></td></tr>
<tr><td>LO5</td><td colspan="8">Formulates specific objectives of the research task,
proposing a solution of the problem based on the
interdisciplinary knowledge and systemic approach</td><td></td></tr>
<tr><td>LO6</td><td colspan="8">Can suggest improvements to existing
technical solutions and presents innovative
elements of the solution of the problem</td><td></td></tr>
<tr><td>LO7</td><td colspan="8">Can evaluate the innovativeness of used devices
and technical methods used to carry out the work</td><td></td></tr>
<tr><td>LO8</td><td colspan="8">Understands his role in society and the need to
promote the achievements in the field of technical sciences</td><td></td></tr>
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Symbol of learning outcome	Methods of assessing the learning outcomes	Type of tuition during which the outcome is assessed
LO1	Positive evaluation of the thesis and the positive result of defense	
LO2	Positive evaluation of the thesis and the positive result of defense	
LO3	Positive evaluation of the thesis and the positive result of defense	
LO4	Positive evaluation of the thesis and the positive result of defense	
LO5	Positive evaluation of the thesis and the positive result of defense	
LO6	Positive evaluation of the thesis and the positive result of defense	
LO7	Positive evaluation of the thesis and the positive result of defense	
LO8	Positive evaluation of the thesis and the positive result of defense	

Student workload (in hours)		No. of hours
Calculation	realization of master thesis project	400
	preparation for the final exam	65
	elaboration of the final presentation	35
	TOTAL:	500

Quantitative indicators	HOURS	No. of ECTS credits
Student workload – activities that require direct teacher participation	0	0
Student workload – practical activities	500	20

Basic references	related to the topic of the master thesis
Supplementary references	related to the topic of the master thesis

Organisational unit conducting the course	All units of the Faculty of Electrical Engineering	Date of issuing the programme
Author of the programme		2020-01-26

L – lecture, C – classes, LC – laboratory classes, P – project, SW – specialization workshop, FW - field work, S – seminar